

ABSTRACT Of THE DISCLOSURE

Accordingly there is disclosed a safety door system, comprising a hopper body containing a powered implement powered by a hydraulic control system, for dispensing liquid or granular materials or for agitating the liquid or granular materials; a safety door for covering and preventing access into the hopper body during use; a hydraulic actuating cylinder operative to open the safety door; and an interlock device coupled between the hydraulic actuating cylinder and the hydraulic control system such that the powered implement within the hopper body is prevented from operating whenever the safety door is not in its closed position.

In another embodiment there is disclosed a method of limiting access to a hopper body of a mobile pavement repair system during its use, the hopper body having a powered implement within the hopper body and powered by a hydraulic motor. The method comprises the steps of covering the open top of the hopper body with a safety door; opening and closing the safety door using a hydraulic actuating cylinder; and preventing the powered implement from operating whenever the safety door is not in its closed position, under the control of an interlock device coupled between the hydraulic actuating cylinder and the hydraulic motor.